

NWS FORM E-5 COMMERCE	U.S. DEPARTMENT OF NOAA, NATIONAL WEATHER	HSA OFFICE: San Juan, PR (SJU)
SERVICE		REPORT FOR (MONTH / YEAR): July, 2005
MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS		DATE: November 02,2005
TO: NATIONAL WEATHER SERVICE HYDROMETEOROLOGICAL INFO CENTER, W/OS31 SSMC 2 – Room 13468 1325 EAST-WEST HIGHWAY SILVER SPRING, MD 20910-3283		SIGNATURE: Althea Austin-Smith
When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (WSOM E-41).		

Summary: The month of July was wetter than normal in both Puerto Rico and in St Thomas, USVI. The monthly climate data for San Juan (ASOS) indicated that for the 31 days of July 2005, the total for San Juan, PR was 8.51 inches ... 4.35 inches greater than the normal of 4.16 inches. At the Truman Field in St. Thomas, USVI, the reported rainfall of 5.75 inches was 3.33 inches greater than the normal of 2.42 inches.

The beginning of July was relatively quiet hydrologically (no gaged locations above flood stage), the rainfall did not begin to "pick up" until mid-month and the region stayed wet for the remainder of the month.

The weather pattern responsible for the increased rainfall activity was the beginning of a series of tropical waves moving across the Caribbean. These waves were expected with the forecast of an extremely active hurricane season. These tropical waves, in combination with the instability caused by a slowly migrating upper atmospheric trough, set the stage for widespread convection which produced numerous showers and thunderstorms and in turn heavy localized rainfall and flooding.

All of the flooding at the gaged locations was in the minor category with crests 4.0 feet or less above the defined flood stage. Four (4) River Flood Warnings (SJUFLWSJU) were issued during the month of July in response to the flooding at the NWS forecast points. The greatest flood impact was related to the urban / small stream flooding as noted by the number of advisories issued for the month of July.

As a result of the wet pattern during the last half of July ... the following products were issued: 40 Urban / Small Stream Flood Advisories (SJUFLSSJU), 15 Flash Flood Warnings, 4 (River) Flood Warnings, 3 Flash Flood Statements and 9 Flood Watches.

Non-Routine Hydrologic Products Issued:	Number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	9
Flood Warnings (SJUFLWSJU)	4
Flash Flood Statements (SJUFFSSJU)	3
Flash Flood Warnings (SJUFFWSJU)	15
Urban/Small Stream Flood Advisories (SJUFLSSJU)	40

